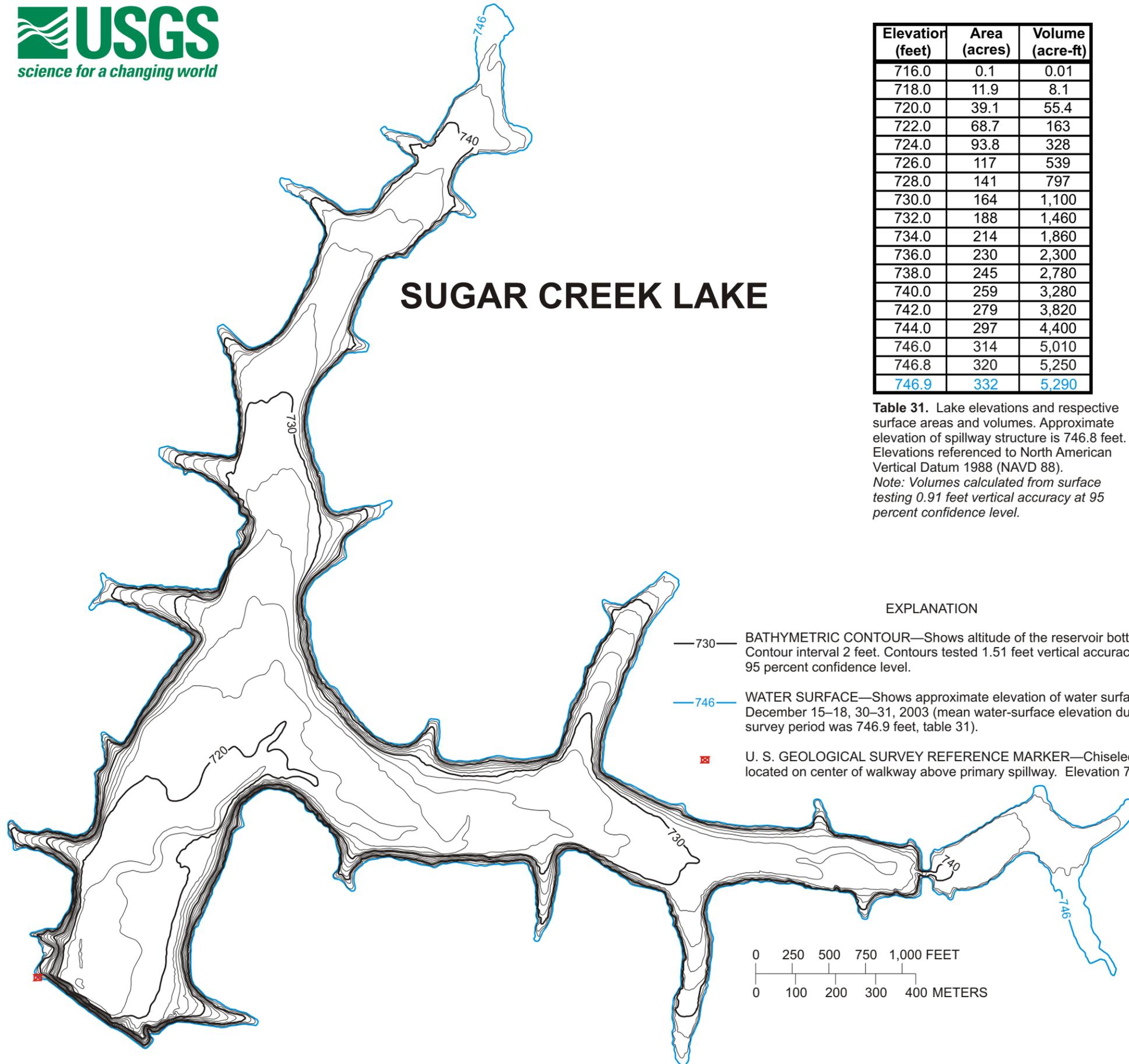


# SUGAR CREEK LAKE

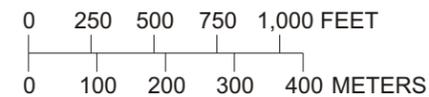


Elevation (feet)	Area (acres)	Volume (acre-ft)
716.0	0.1	0.01
718.0	11.9	8.1
720.0	39.1	55.4
722.0	68.7	163
724.0	93.8	328
726.0	117	539
728.0	141	797
730.0	164	1,100
732.0	188	1,460
734.0	214	1,860
736.0	230	2,300
738.0	245	2,780
740.0	259	3,280
742.0	279	3,820
744.0	297	4,400
746.0	314	5,010
746.8	320	5,250
746.9	332	5,290

**Table 31.** Lake elevations and respective surface areas and volumes. Approximate elevation of spillway structure is 746.8 feet. Elevations referenced to North American Vertical Datum 1988 (NAVD 88).  
*Note: Volumes calculated from surface testing 0.91 feet vertical accuracy at 95 percent confidence level.*

### EXPLANATION

- 730 — BATHYMETRIC CONTOUR—Shows altitude of the reservoir bottom. Contour interval 2 feet. Contours tested 1.51 feet vertical accuracy at 95 percent confidence level.
- 746 — WATER SURFACE—Shows approximate elevation of water surface, December 15–18, 30–31, 2003 (mean water-surface elevation during survey period was 746.9 feet, table 31).
- U. S. GEOLOGICAL SURVEY REFERENCE MARKER—Chiseled arrow located on center of walkway above primary spillway. Elevation 755.1 feet.



### LOCATION MAP

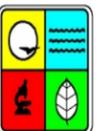
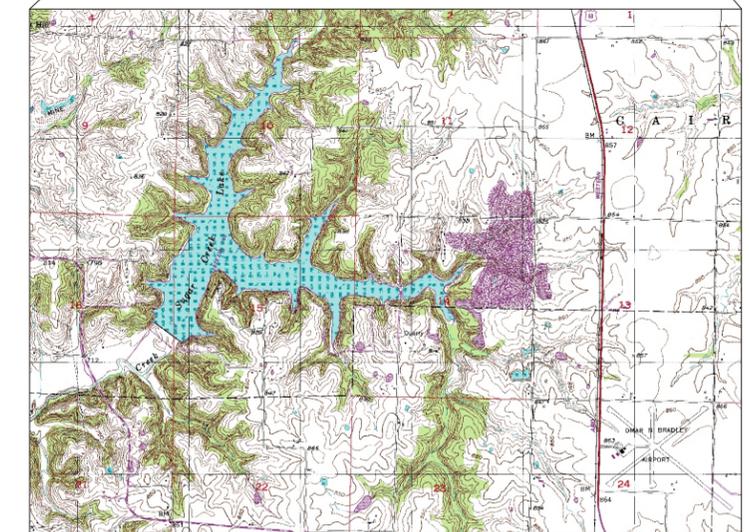
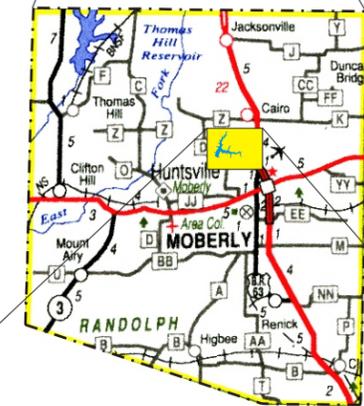


Figure 23.4 Bathymetric map and table of areas/volumes of the Sugar Creek Lake near Moberly, Missouri.